



61498

## Genomic DNA Extraction (from leaves) Kit (Teaching)

Part E

### Specifications

Agarose gel electrophoresis	Extracted DNAs molecular size is compared with High range DNA marker
A260/A280	1.6-1.9
DNase activity	None detected
Stability	Stable for one year

### Other Information

Description

The overall goal is to isolate chromosomal DNA from leaves. The extraction buffer breaks the cell walls to release the cellular constituents. The buffer contains a detergent cetyl methylammonium bromide (CTAB) that disrupts the cellular membranes to release the DNA, EDTA which minimizes nuclease activity and NaCl that removes polysaccharide. The contaminating RNA is removed by digestion with RNase A. Finally, nucleic acids are precipitated in water-alcohol mixture.

Includes

Extraction buffer - 25 ml  
? Mercaptoethanol - 50 mcl  
Chloroform - 50 ml  
Isoamylalcohol - 2 ml  
DNA precipitation solution-50 ml  
Wash solution -50 ml  
TE Buffer - 2 ml  
RNase A (10 mg/ml) – 50 mcl  
6X gel loading dye -100 mcl  
Agarose -500 mg  
Ethidium bromide -30 mcl  
50X TAE Buffer -25 ml  
DNA marker -60 mcl

### General Information

Storage	Includes components ranging from RT to -20°C
Shelf Life	6 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
15 expt. Kit	38229090 (GST 12%)

## Available Packages

15 expt. Kit

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### Disclaimer

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